

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Presently Amended) A ~~[[F]]~~ fixing device ~~[[(1)]]~~ for a multipolar magnetic ring ~~[[(10)]]~~ on a gear ~~[[(20)]]~~ intended to be driven in axial rotation by an electric motor ~~(110)~~ ~~and, in particular, on a motor-reducing gear (100),~~ wherein ~~characterised in that it~~ the fixing device comprises at least one stop element ~~(22a, 22b)~~ fixed to the gear ~~[[(20)]]~~, which can engage with an anchor projection ~~(12a, 12b)~~ on the magnetic ring ~~[[(10)]]~~ with a coupling direction essentially parallel to the plane of the gear ~~[[(20)]]~~, and at least one retaining clip ~~[[(23)]]~~ on the gear ~~[[(20)]]~~, which can engage, after elastic deformation, with a retaining projection ~~[[(13)]]~~ on the magnetic ring ~~[[(10)]]~~, with a coupling direction essentially perpendicular to the plane of the gear ~~[[(20)]]~~.
2. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to claim 1, wherein ~~characterised in that~~ each anchor projection ~~(12a, 12b)~~ and each retaining projection ~~[[(13)]]~~ is fixed to the same side wall ~~(14, 15)~~ of the magnetic ring ~~[[(10)]]~~ and in that each retaining projection ~~[[(13)]]~~ is positioned essentially opposite at least one anchor projection ~~(12a, 12b)~~.
3. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to ~~either one of the claim[s]~~ 1 ~~[[or 2]]~~, wherein ~~characterised in that~~ the magnetic ring ~~[[(10)]]~~ is open and ~~in that it~~ comprises, ~~on the one hand,~~ two anchor projections ~~(12a, 12b)~~, each of which is respectively fixed to each of its free ends ~~(16a, 16b)~~ and, ~~on the other hand,~~ a retaining projection ~~[[(13)]]~~ positioned essentially at the same distances from said anchor projections ~~(12a, 12b)~~.
4. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to ~~any one of the claims from~~ 1 ~~[[to 3]]~~, wherein ~~characterised in that~~ each stop element ~~(22a, 22b)~~ is able to exert an essentially axial pressure stress on the relevant anchor projection ~~(12a, 12b)~~, while each retaining claim ~~[[(23)]]~~ cooperates with the relevant retaining projection ~~[[(13)]]~~.
5. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to claim 4, wherein ~~characterised in that~~ each anchor projection ~~(12a, 12b)~~ comprises an axial bearing

surface (17a, 17b) which is tilted downwards in relation to the plane of the magnetic ring[(10)].

6. (Presently Amended) The [[F]]fixing device [(1)] according to claim 5, ~~wherein~~characterised in that each stop element (22a, 22b) comprises a concave axial bearing surface (27a, 27b), and in that the axial bearing surface (17a, 17b) of each anchor projection (12a, 12b) is essentially flat.
7. (Presently Amended) The [[F]]fixing device [(1)] according to ~~any one of the claims from~~ 1[[to 6]], ~~wherein~~characterised in that the height of each anchor projection (12a, 12b) is essentially lower than the height of the magnetic ring[(10)], and in that said anchor projection (12a, 12b) is fixed to the bottom of said magnetic ring[(10)].
8. (Presently Amended) The [[F]]fixing device [(1)] according to ~~any one of the claim~~[[s]] 1[[to 7]], ~~wherein~~characterised in that the distal part (18a, 18b) of each anchor projection (12a, 12b) is bewelled.
9. (Presently Amended) The [[F]]fixing device [(1)] according to ~~any one of the claims from~~ 1[[to 8]], ~~characterised in that it further~~ comprising[[es]] at least one clamping element (40a, 40b, 40c, 40d, 40e) fixed to the gear[(20)], which can exert an essentially radial pressure stress on a side wall (14, 15) of the magnetic ring[(10)].
10. (Presently Amended) The [[F]]fixing device [(1)] according to claim 9, ~~characterised in that it further~~ comprising[[es]] at least one clamping element (40a, 40b, 40c, 40d, 40e), the pressure stress of which is guided essentially in the coupling direction of at least one anchor projection (12a, 12b) with the relevant stop element (22a, 22b).
11. (Presently Amended) The [[F]]fixing device [(1)] according to ~~either one of the claim~~[[s]] 9[[or 10]], ~~wherein~~characterised in that each clamping element (40a, 40b, 40c, 40d, 40e) consists of an elastically deformable outgrowth, the distal part of which (41b, 41c) can cooperate by contact with the relevant side wall (14, 15) of the magnetic ring[(10)].
12. (Presently Amended) The [[F]]fixing device [(1)] according to ~~any one of the claims from~~ 9[[to 11]], ~~wherein~~characterised in that the clamping elements (40a, 40b, 40c, 40d, 40e)

positioned with regard to the same side wall ~~(14, 15)~~ are distributed evenly with regard to the entire length of said side wall ~~(14, 15)~~.

13. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to ~~any one of the claim~~ ~~[[s]]~~ 1 ~~[[to 12]], characterised in that it further comprising~~ ~~[[es]]~~ at least one guiding lip ~~[[(24)]]~~ fixed to the gear ~~[[(20)]]~~, which is essentially complementary to a side wall ~~(14, 15)~~ of the magnetic ring ~~[[(10)]]~~.

14. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to any ~~one of the claims from 1 to 13, wherein~~ ~~characterised in that~~ the bottom face of the magnetic ring ~~[[(10)]]~~ is bevelled on the inside and on the outside.

15. (Presently Amended) The ~~[[F]]~~ fixing device ~~[[(1)]]~~ according to ~~any one of the claims from 1~~ ~~[[to 14]], wherein~~ ~~characterised in that~~ each stop element ~~(22a, 22b)~~ is made at the end of the recess ~~(25a, 25b)~~ which can guide the engagement of the relevant anchor projection ~~(12a, 12b)~~, while the magnetic ring ~~[[(10)]]~~ is tilted in relation to the plane of the gear ~~[[(20)]]~~.

16-19. (Cancelled)

20. (New) A motor reducer comprising:

a gear comprising a retaining clip;

a multipolar magnetic ring, wherein the multipolar magnetic ring is supported by the gear and comprises an anchor projection and a retaining projection; and

a fixing device a stop element fixed to the gear,

wherein the gear is configured to engage the anchor projection with a coupling direction essentially parallel to the plane of the gear,

wherein the at least one retaining clip is configured to engage the retaining projection with a coupling direction essentially perpendicular to the plane of the gear.